



**MOUNTAIN  
HER**

## **Deliverable achievement report**

**D5.1.1 Define and distribute best small-scale  
equipment to cooperatives**

## Description of completion

This deliverable presents a list of traditional food products that was compiled for each cooperative. focusing on products derived from Durum wheat and Barley. The following traditional food products were identified for each country (Morocco, Algeria, Tunisia, Lebanon, Italy, Croatia): At least 6 traditional products were fixed by each cooperative and will be produced.

Country	Durum wheat foods	Barley foods
<b>Morocco</b>	Couscous	Couscous
	Herbal couscous	Zemita
	Couscous 5 cereals	Belboula
	Couscous 3 cereals	
	Berkoukes	
	Zemita	
<b>Algeria</b>	Chakhchoukha	R'fiss
	Couscous	Couscous
	F'rik	Mermez
	Kessra	Harchaya
	Rechta	
<b>Tunisia</b>	Bulghur	Couscous 2 cereals
	Couscous whole	Mermez
	Couscous	Malthouth (Couscous)
<b>Lebanon</b>	Burghul	Roasted barley
	Flour mixture	Flour mixture
	Freekeh	Malt
	Moghrabieh	
	Semolina	
<b>Italy</b>	Semolina	Malt drink
	Bread	Orzotto
	Semolina	Flour
	Flour mixture	Beer
<b>Croatia</b>	Broken grain	Package of bean and barley mixture
	Whole flour	Barley coffee (from 100% barley malt)
	Chocolino	Malt

The conversion of grain into some of these foods products requires a milling step. In order to identify the best solutions as small scale equipment for milling process, several visits to different equipment suppliers were realized. The use of a small scale electrical stone mill was identified as the most suitable equipment to mill the harvests relatively quickly, at a scale suitable for the following processing steps, while still meeting the consumers expectations in terms of "Traditional Processing". Several suppliers of this type of equipment have been identified for purchase. These will be tested in the laboratory to identify the conversion rate, granulometry of flour and semolina, and test the quality of flour.

In addition, an assessment of all cooperatives for their ability to mill/process raw material was conducted to define their exact needs. The result of this survey (Table 1) indicates all the cooperatives need a mills except for Italy. The Italian cooperative prefer to subcontract this service.

**Table 1: Survey Cooperative to identify their need in miller equipment**

	Italy	Tunisia	Croatia	Lebanon	Marocco	Algeria
<b>Existing mill owned by the cooperative</b>	YES (small one)	NO	NO	NO	YES (not adequate)	NO
<b>Is milling by local subcontractor an option</b>	YES	YES	YES	YES	YES	YES
<b>Do you think the purchase of a mill would help your work</b>	NO	YES	YES	YES	YES	YES
<b>Purchase process</b>		INITIATED				

## Justification of delay

No delay

## Supporting documents

Questionnaire to identify the existing processing milling and its capacity in the cooperatives

<https://hdl.handle.net/20.500.11766/68590>

Figures: Visiting and testing of different milling equipment and suppliers in North Africa

<https://hdl.handle.net/20.500.11766/68589>

Figure: A stone Miller

<https://hdl.handle.net/20.500.11766/68588>



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farming communities



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